

Date Received

OFFICE USE ONLY

Check Rec'd Amount Rec'd Check No. Rec'd By Permit #

Montana Ground Water Pollution Control System Application

FORM

GW-1
DOMESTIC

MGWPCS FORM GW-1 APPLICATION — DOMESTIC WASTE

Form GW-1 requests basic facility and discharge information for sources of domestic sewage that may discharge to state ground waters. This form must be completed by the owner or operator of any of source (sewage system, pond, treatment works, disposal systems, etc. [ARM 17.30.1001(13]). *Do not leave blank spaces; if a question does not apply, put "NA" in the space provided.*

spaces; if a question does not apply, put "NA" in the space provided.
Section A Facility Information
Facility Name
Mailing Address
City, State, Zip
Contact Person/Title
Telephone and Fax Numbers
Facility Location/Address
City, County, State, Zip
Telephone and Fax Number
Township/Range/Section/ Quarter Section
Latitude and Longitude
Section B Existing or Pending Permits, Certifications, or Approvals MPDES Permit # Wastewater EQ# UIC # Other Plat Approval EQ# Other
Section C Industrial Connections Provide information for all non-domestic discharges to the treatment system. Yes No Are businesses or industrial facilities connected to the proposed treatment system?
If yes, number of industrial/business connections Estimated combined flowgpd
List name(s), type(s) of business or industry, and estimated flow discharging from each to the treatment works.

Section D Collection System Information Provide information on development area being served by the wastewater treatment system. Provide the type of collection system proposed. Population Served Households Served
Type of Collection System
Check all that apply and give the percentage of each contribution. Sanitary Sewer % Storm Water % Floor Drains %
Sump Collection ——— % Other
Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

Section E Treatment System Information including the primary and advanced sy (i.e., the wastewater flow rate that the staily design). For a permit renewal, prof the last three years. For a proposed state of the last three years.	stems. Indicate system was, or vovide the average	the design capaci- vill be, built to ha ge daily flow rate	ty of th indle, u and m	e wastewat sually 1.5 t aximum da	er treatn	nent system average
Design capacity				I4 W		T1: - V
Annual average daily flow Actual		Two Years Ago	gpd	Last Year	gpd	This Year gpd
Annual maximum daily flow Actua	l Estimated		gpd		gpd	gpd
Type and calibration frequency of flow	measuring dev	ice(s)				
Manufacturer and model of flow measure. What levels of treatment are provided? Conventional Level II I Nutrient Reduction System	Check all that a	apply.				
Indicate the method of advanced treatm None Intermittent Sand Filter Aerobic Sewage Treatment Unit Other (specify)	Recircula	ting Sand Filter				kling Filter eduction
Indicate the following removal rates (as Design BOD ₅ or CBOD ₅ Removal		ated). Design TSS	S Remo	val		%
Design Total Phosphorus Removal		Design Tota	al Nitro	gen Remo	va <u>l</u>	
Design Pathogen Removal		Other				
Yes No Has effluent testing info If yes, submit effluent to Method(s) of disinfection used for the Manufacturer of disinfection unit(s), if	testing data for a				-	
Attach a line drawing that must indicat development. Show all contributions to sources to the discharge. Label composition measuring equipment. The waster system, treatment system units, dosing samples were, or are to be, collected.	o wastewater from nents of the system water flow diagr	om homes, busine tem, and indicate am or line drawir	esses, in the app ng must	ndustries, a proximate l t indicate th	nd storm ocation(s ne effluer	water s) of the nt collection
Yes No Have you attached was location(s) of flow mea		=	ic, incl	uding all tro	eatment	units and

Yes No Does the wastewater treatment system discharge the effluent onsite? If yes, list how many each of the following types of disposal methods the treatment works uses. Discharges of treated effluent Discharges of storm water	Section F Disposal Methods			
Combined sewer overflow points Constructed emergency overflows (prior to treatment system) Indicate the method(s) of wastewater disposal. (Check all that apply.) Well injection Drainfield Rapid Infiltration Beds Evapotranspiration Overland Flow Evapotranspiration Absorption Trenches Slow Infiltration Beds Land Application Surface Impoundment If yes, is impoundment(s) constructed with a synthetic liner? Yes No Other(s) (explain) Is discharge continuous or intermittent or combination of both continuous and intermittent? Indicate the total number of discharge sites or outfalls identified. The number should correspond to the number of drainfields, land application areas, IP areas identified above. Number of outfalls Yes No Does the treatment works discharge or transport treated or untreated wastewater to another treatment works? If yes, provide the following for the transporter and treatment works receiving the wastewater. Treatment works facility Name Address Address Telephone Telephone				
Evapotranspiration Absorption Trenches	□ Discharges of treated effluent □ Discharges of untreated effluent □ Discharges of storm water □ Combined sewer overflow points □ Constructed emergency overflows (prior to treatment system)			
number of drainfields, land application areas, IP areas identified above. Number of outfalls	□ Evapotranspiration Absorption Trenches □ Slow Infiltration Beds □ Land Application □ Surface Impoundment If yes, is impoundment(s) constructed with a synthetic liner? □ Yes □ No □ Other(s) (explain)			
treatment works? If yes, provide the following for the transporter and treatment works receiving the wastewater. Transporter Treatment works facility Name Address Address Telephone Sewage Sludge Disposal Indicate the method of disposal for sewage sludge generated at the wastewater treatment facility. Collected by private composting facility Collected by private entity and disposed at WWTP Other, describe Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed				
Transporter Name Address Telephone Telephone Telephone Sewage Sludge Disposal Indicate the method of disposal for sewage sludge generated at the wastewater treatment facility. Collected by private composting facility Collected by private entity and disposed at WWTP Other, describe Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed	treatment works? If yes, provide the following for the transporter and treatment works receiving the			
Address Telephone Telephone				
Telephone Telephone	Name Name			
Telephone Telephone	Address Address			
Indicate the method of disposal for sewage sludge generated at the wastewater treatment facility. Collected by private composting facility Collected by private entity and disposed at WWTP Landfill Other, describe Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed				
Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed	Indicate the method of disposal for sewage sludge generated at the wastewater treatment facility. Collected by private composting facility Collected by private entity and disposed at WWTP Landfill			
	Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed			

Sections G, H, and I must be comp (Photocopies of these sections are			n F. FFALL #
G. Description of Discharge (Outf	alls)		
Location of Outfall		7. 6.1)	
	(City or Town)	(Zip Code)	(County)
TownshipN S Range	E W Section	Latitude	Longitude
Depth below ground surface		ft Distance above §	ground level ft
Average daily discharge volume			
Average daily dosing volume (if app	olicable)	_gpd Peak/Design dis	scharge volumegpd
Is discharge \square continuous or \square in	termittent? Indi	cate the month(s) the out	tfall discharges.
☐Jan ☐Feb ☐ March ☐ April	☐May ☐ June	☐ July ☐ Aug ☐ Se	ept Oct Nov Dec
If disposal method is land application	n, complete the fol	lowing information; other	erwise indicate "NA."
Number of acres S	oil samples collecte	ed Yes No If yes, a	attach results.
Method of application N	Maximum volume a	applied in gallons per acr	re per day
Annual average daily volume applie	d to site in gallons	per acre	{
Type or species of cover crop and es	stimated yield		
Indicate the month(s) land application	on is conducted.		
☐Jan ☐Feb ☐ March ☐ April	☐May ☐ June	☐ July ☐ Aug ☐ Se	ept Oct Nov Dec
Additional Information Use the space below to expand upor reviewer any information you believe facility. Attach additional sheets if	ve should be consid		

Sections G, H, and I must be completed for each outfall identified in Section F. (Photocopies of these sections are acceptable.) OUTFALL #
H. Description of Receiving Water(s)
Depth to shallowest ground water (ft)
Name of surface waters within 1 mile of outfall; include distance and direction.
Direction of ground water flow and method of determination
Include location, distance, direction, and whether upgradient or downgradient for each water supply well and spring within 1 mile of the outfall.
Yes No Is list of well owners and spring owners attached to application?
Yes No Is list of land owners and lessees of land within 1 mile of the outfall attached to application?
Yes No Have water supply or monitoring wells been installed onsite? If yes, attach copy of driller log(s) and date of installation. Yes No Are well logs attached? MM/DD/YYYY
Describe existing ground water quality and uses within 1 mile of the wastewater treatment facility. All water analytical data must be attached. Report an average in the spaces provided below. Yes No Is existing ground water quality narrative and use information attached to application?
Yes No Is ambient water quality analysis attached? Date(s) collected
Specific conductivity (μmhos/cm)
 □ Nitrate plus nitrite (as N)mg/L □ Fecal Coliformcolonies/100 ml □ Total Phosphorusmg/L □ Other
Other0ther
☐ Yes ☐ No Is the operator of the wastewater treatment system requesting a mixing zone pursuant to the Administrative Rule of Montana (ARM) Title 17, chapter 30, subchapter 5? ☐ Source Specific Mixing Zone (ARM 17.30.518) ☐ Standard Mixing Zone for Ground Water (ARM 17.30.517)
Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered in establishing permit limitations for the proposed facility. Attach additional sheets if necessary.

Sections G, H, and I must be completed for each outfall identified in Section F.			
(Photocopies of these sections are acceptable.) OUTFALL #			
Include soil types/textures (classification) and soil condition at outfall location and within 1 mile of outfall(s). Attach documentation. Include information regarding depth to bedrock, fractures, faults, seismic activity, and past/present land use. Yes No Is supplemental soils information attached to application including methods of determination, such as Natural Resource and Conservation Service soil survey? Hydraulic gradient and direction ft/ft Hydraulic conductivity of shallowest ground water zone ft/day Yes No Is supplemental data documenting hydraulic gradient and conductivity attached to application?			
Yes No Is list of land owners/lessees attached to application?			
Additional Information Use the space below to expand upon the reply to any of the above questions or to bring to the attention of the reviewer any information you believe should be considered for establishing permit limitations for the proposed facility. Attach additional sheets if necessary.			

J. Additional Required Information Please check each box to certify compliance with these requirements.
Topographic map, extending at least 1 mile beyond facility property boundaries. This map must show
the outline of the facility and include the following information. (More than one map may be required
to clearly document the required information.)
Map clearly depicting the location of water wells and surface waters.
Clearly identify all ground water sample locations and static water levels at the time of collection.
Attach copies of analytical data regarding water quality upgradient and downgradient within 1 mile of
wastewater disposal area.
Attach copies of wastewater analytical data.
Attach wastewater flow diagram or schematic including all treatment units, and approximate flows
between each of the treatment units, flow measuring equipment.
 Attached geological and hydrogeological information. Facility plan including wastewater treatment system and flow diagram included with application.
☐ Mixing zone requested (delineating size and direction).
Attach a site map and identify the major components of the collection, treatment, and disposal systems
for each outfall. Information must include septic tanks, collection lines, filters, drainfields, and
mixing zone for each outfall.
Upon request of the permitting authority, you must submit any other information necessary to assess
wastewater treatment practices of the treatment works or identify appropriate permitting requirements.
Operation/Maintenance Performed by Contractor(s)
Yes No Are any operational or maintenance aspects (related to wastewater treatment and effluent
quality) of the treatment works the responsibility of a contractor?
If yes, list the name, address, telephone number, and status of each contractor; describe the
contractor's responsibilities.
Name
Mailing Address
Telephone number
Responsibilities of Contractor
Scheduled Improvements and Schedules of Implementation.
Provide information on any uncompleted implementation schedule or uncompleted plans for improvements
that will affect the wastewater treatment, effluent quality, or design capacity of the treatment works.
Yes No Are planned improvements or implementation schedule required by local, state, or federal
agencies?
List the outfall number for each outfall that is covered by this implementation schedule

December 2003

 Section K Applicant Information This application must be completed, signed, and certified as follows: For a corporation, by a principal officer of at least the level of vice president; 				
 For a partnership or sole proprietorship, by a general partner or the proprietor, respectively; or For a municipality, state, federal, or other public facility, by either a principal executive officer or ranking elected official. 				
Applicant Name				
Mailing Address_				
City, State, Zip				
Telephone Number —				
Is the applicant the owner or operator (or both) of the treatment works?				
Owner Operator Owner and Operator				
Status of operator: F=Federal S=State P=Private M=Public O=Other				
If status is "other," please specify				
CERTIFICATION				
All Applicants Must Complete the Following Certification.				
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons who manage the system or those persons directly responsible for gathering the information, it is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information; including the possibility of fine and imprisonment for knowing violation.				
A. Name and Official Title (Type or Print)	B. Phone No.			
C. Signature	D. Date Signed			

The Department will not process this application until all of the requested information is supplied, the application is complete, and the appropriate fees are paid [ARM 17.30.1024].